

Amendments to the claims:

This listing of claims will replace the prior version, and listing, of claims in the application:

Listing of Claims:

Claims

Claim 1 (previously presented) A process for manufacturing L-Se-methylselenocysteine by reaction of chloroalanine methyl ester hydrochloride or chloroalanine hydrochloride or chloroalanine with methylselenol or its salts in a solvent, acidifying the reaction mixture after completion of reaction, isolating methylselenocysteine hydrochloride as a methanol solution, neutralizing the methanol solution with triethyl amine to precipitate L-Se-methylselenocysteine.

Claim 2 (previously presented) A process as claimed in claim 1 wherein the reaction is conducted under an inert atmosphere of nitrogen or argon.

Claim 3 (previously presented) A process as claimed in Claim 1 wherein methylselenol or its salt is produced by reduction of dimethyldiselenide with a reducing agent chosen from sodium borohydride or hypophosphorous acid.

Claim 4 (previously presented) A process as claimed in claim 1, wherein dimethyldiselenide is reduced at temperature range of 0° to +60° C.

Claim 5 (previously presented) A process as claimed in Claim 1, wherein methylselenol or methylselenide salt is reacted with chloroalanine methyl ester hydrochloride or chloroalanine hydrochloride or chloroalanine at the temperature range of 0° to +50° C.

Claim 6 (previously presented) A process as claimed in Claim 1, wherein the solvent employed is a mixture of dimethylformamide and water.

Claim 7 (previously presented) A process as claimed in Claim 1, wherein the solvent employed is a mixture of acetonitrile and water.

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Claim 8 (previously presented) A process for manufacturing DL-Se-methylselenocysteine which consists of treating and solubilizing L-Se-methylselenocysteine or D-Se-methylselenocysteine in acetic acid in the presence of small quantities of benzaldehyde in the temperature range 20-100° C, cooling the reaction mixture and filtering the precipitated product namely, DL-Se-Methylselenocysteine.

Claim 9 (canceled)

Claim 10 (canceled)

Claim 11 (canceled)